

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## 6. LEASE DENOMINATION AND SERIAL NO.

UTE 14-20-H62-3414

## 8. IF INDIAN, ALLOTTEE OR TRIBE NAME

UTE TRIBE

## 7. UNIT AGREEMENT NAME

## 9. FARM OR LEASE NAME

## 10. WELL NO.

Z&amp;T UTE TRIBAL 16-21

## 11. FIELD AND POOL, OR WILDCAT

Brudage Cyn OTS

## 12. SEC. T. R. W. OR BLM. AND SURVEY OF AREA

SEC. 21, T5S, R4W

## 13. COUNTY OR PARISH

DUCHESE

## 14. STATE

UTAH

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☒

## 2. NAME OF OPERATOR

ZINKE &amp; TRUMBO LTD

## 3. ADDRESS OF OPERATOR

1202 EAST 33RD STREET SUITE 100 TULSA OK, 74105

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements\*)

691' FEL, 700' FSL, SE 1/4, SE 1/4, SEC. 21, T5S, R4W

At proposed prod. zone

SAME

## 15. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

20 MILES SOUTH AND WEST OF MYTON, UTAH

## 16. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT 691  
(Also to nearest drilg. unit line, if any)

## 17. NO. OF ACRES IN LEASE

640

## 18. NO. OF ACRES ASSIGNED

TO THIS WELL 40

19. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

3960

## 20. CLOSURE DATE

6200 DSTC

## 21. ROTARY OR CABLE TOOLS

ROTARY

## 22. ELEVATIONS (Show whether DP, RT, GR, etc.)

6629 GR

## 23. APPROX. DATE WORK WILL START\*

MAY 1, 1991

## 24.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48	90	TO SURFACE
12 1/4	8 5/8	24	500	TO SURFACE
7 7/8	5 1/5	17	T.D.	CMT TOP TO COVER THE OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL.  
PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE  
USE PLAN.  
IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

WILLIAM A. RYAN  
3101 W. 1790 S.  
VERNAL UTAH  
801-789-3983  
801-823-6152

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APR 12 1991

DIVISION OF  
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on sub-surface locations and measured and true vertical depths. Give blowout preventer program, if any

24.

SIGNED William A. Ryan  
WILLIAM A. RYAN

PETROLEUM ENGINEER

DATE MARCH 28 1991

(This space for Federal or State office use)

PERMIT NO.

43 213 31311

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

STATE

DIVISION OF

OIL GAS &amp; MINING

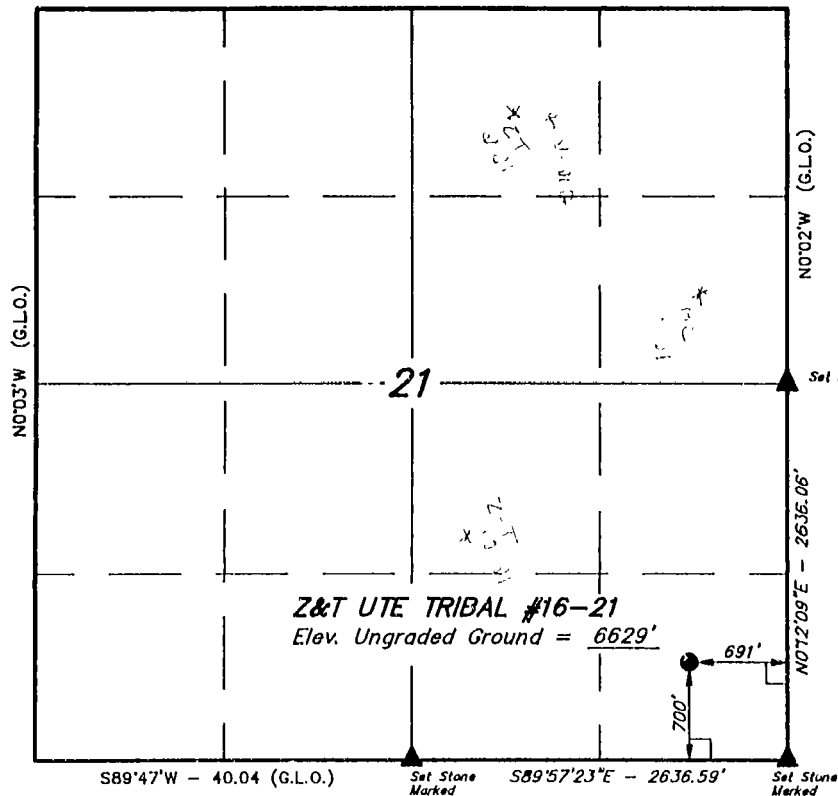
DATE 4-26-91

BY J. Matthews

CLOSING: 415-3-2

T5S, R4W, U.S.B.&M.

S89°56'W - 79.92 (G.L.O.)



▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS IS THE WEST  
LINE OF THE SW 1/4 OF SECTION 16,  
T5S, R4W, U.S.B.&M. WHICH IS  
ASSUMED FROM G.L.O. INFORMATION  
TO BEAR NO 03'W

## ZINKE & TRUMBO, LTD.

Well location, Z&T UTE TRIBAL #16-21, located  
as shown in the SE 1/4 SE 1/4 of Section 21,  
T5S, R4W, U.S.B.&M. Duchesne County, Utah.

### BASIS OF ELEVATION

BENCH MARK LOCATED IN THE NW 1/4 SW 1/4 OF SECTION  
9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE  
SE QUADRANGLE, UTAH - DUCHESNE COUNTY, 7.5 MINUTE  
QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED  
STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL  
SURVEY. SAID ELEVATION IS MARKED AS BEING 6098  
FEET.



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 8708  
STATE OF UTAH

UNTAE ENGINEERING & LAND SURVEYING  
P. O. BOX 1758 - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-16-91
PARTY D.A. K.L. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE ZINKE & TRUMBO, LTD.



April 22, 1991

Dear Tammy,

Please find attached the drilling plan for the Z&T Ute Tribal 16-21 per your telephone call of 4-17-91.

Thank you for calling this to our attention.

Sincerely,

*Wm. Ryan*  
William A. Ryan

RECEIVED

APR 23 1991

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OIL GAS & MINING

RECEIVED

APR 23 1991

Ten Point Plan  
 Zinke & Trumbo LTD.  
 Z&T One Tribal 16-21  
 SE 1/4, SE 1/4, Sec. 21, T.5 S., R.4 W.

DIVISION OF  
 OIL GAS & MINING

1. Surface Formation:

Uintah

2. Estimated Formation Tops and Datum:

Formation	Depth	Datum
Uintah	Surface	6522' GL.
Green River	1411'	5218'
Oil Shale	2619'	4010'
X Marker	4459'	2170'
Black Shale	5235'	1394'
Castle Peak Lime	5539'	1090'
Green River Lime	5955'	674'
Wasatch	6121'	508'
T.D.	6200'	322'

3. Producing Formation Depth:

Formation objective include the Green River and the Wasatch.

4. Proposed Casing Program:

Hole Size	Casing Size	Casing Weight/Ft.	Casing Grade	Casing Coupling	Setting Depth	Casing New/Used
17 1/2	13 3/8	48	B-40	ST&C	90	NEW
12 1/4	8 5/8	24	J-55	ST&C	500	NEW
7 7/8	5 1/2	17	J-55	ST&C	T.D.	Used

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure is less than 2500 psi.

A 3000 psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8-5/8" surface casing. The BOP system including the casing will be pressure tested to the minimum standards set forth in "On Shore Order #2". The BOPs will be mechanically checked daily during drilling operations.

6. Mud Program:

Interval	Mud Weight lbs./gal.	Viscosity Sec./Qt.	Fluid Loss Ml/30 Mins.	Mud Type
0-500'	Clear Water	----	No Control	Water/Gel
500-T.D.	8.8	30	No Control	5% KCL L.S.N.D.

7. Auxiliary Equipment:

Upper Kelly cock, full opening stabbing valve, 2 1/2" Choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.
- c) Sampling: Every 10' from 500' to T.D.
- d) Logging: 

Type:	<u>Interval</u>
DLL/SFL W/GK and SP	T.D. to surf. csg.
FDC/CNL W/GK and CAL	"

9. Abnormalities (including sour gas):

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows may be anticipated in the Green River and Wasatch Formations.

10. Drilling Schedule:

The anticipated starting date is May 1, 1991. Duration of operations is expected to be around 15 days.

ZINKE & TRUMBO LTD.  
13 POINT SURFACE USE PLAN  
FOR  
WELL LOCATION  
Z&T UTE TRIBAL 16-21  
LOCATED IN  
S.E. 1/4, S.E. 1/4  
SECTION 21, T.5 S., R.4 W., U.S.B. & M.  
DUCHESNE COUNTY, UTAH  
LEASE NUMBER: BIA-14-20-H62-3414  
SURFACE OWNERSHIP: UTE TRIBE

DISK 49  
FILE 15-21AF0

## 1. EXISTING ROADS

TO REACH THE ZINKE & TRUMBO LTD. WELL, Z&T Ute Tribal 16-21 LOCATION, IN SECTION 21, T.5 S., R.4 W., FROM MYTON, UTAH.

STARTING IN MYTON, UTAH PROCEED WEST ON US HIGHWAY 40, 8.8 MILES TO THE ANTELOPE CANYON ROAD. TURN SOUTH AND PROCEED 6.6 MILES TO THE SOWERS CANYON ROAD. TURN RIGHT ON THE SOWERS CANYON ROAD AND PROCEED SOUTH AND WEST 1.8 MILES. TURN SOUTH ON THE NUTTERS RIDGE ROAD PROCEED SOUTH 4.2 MILES TO THE FORK IN THE ROAD. TURN RIGHT AT THE FORK IN THE ROAD AND PROCEED 100 FEET TO THE LOCATION.

THE EXISTING OIL FIELD SERVICE ROAD MAY NEED SOME SURFACE MATERIAL TO PREVENT OR REPAIR HOLES IN THE ROAD DUE TO HEAVY TRUCK TRAFFIC DURING THE DRILLING AND COMPLETION OPERATION. IF REPAIRS ARE MADE THE OPERATOR WILL SECURE SURFACING MATERIAL FROM PRIVATE SOURCES.

PLEASE SEE THE ATTACHED MAP FOR ADDITIONAL DETAILS.

## 2. PLANNED ACCESS ROAD

THERE WILL BE APPROXIMATELY 100 FEET OF NEW ROAD CONSTRUCTION REQUIRED.

THE PROPOSED ACCESS ROAD WILL BE:

A) APPROXIMATE LENGTH	100 FT.
B) RIGHT OF WAY WIDTH	30 FT.
C) RUNNING SURFACE	18 FT.
D) SURFACING MATERIAL	NATIVE SOIL.
E) MAXIMUM GRADE	1 %
F) FENCE CROSSINGS	NONE
G) CULVERTS	NONE
H) TURNOUTS	NONE
I) MAJOR CUTS AND FILLS	NONE
J) PROPOSED ROAD FLAGGED	YES
K) ACCESS ROAD SURFACE OWNERSHIP	UTE TRIBE

NEWLY CONSTRUCTED ROADS WILL BE BUILT USING NATIVE SOILS FROM BORROW PITS ON EITHER OR BOTH SIDES OF THE ROAD. THE ROAD WILL BE CROWNED AND DITCHED. DITCHES WILL BE CONSTRUCTED ALONG EITHER SIDE WHERE IT IS DETERMINED NECESSARY TO HANDLE RUN-OFF AND MINIMIZE THE POSSIBILITY OF EROSION.

PLEASE SEE THE ATTACHED LOCATION PLAT FOR ADDITIONAL DETAILS.

NO RIGHT-OF-WAY WILL BE REQUIRED. ACCESS WILL BE VIA THE RIGHT-OF-WAY GRANTED FOR WELL 1-19 IN SECTION 19, T.5 S., R.4 W.

ALL TRAVEL WILL BE CONFINED TO EXISTING ACCESS ROAD RIGHT-OF-WAYS.

ACCESS ROADS AND SURFACE DISTURBING ACTIVITIES WILL CONFORM TO STANDARDS OUTLINED IN THE USGS PUBLICATION (1978) SURFACE OPERATION STANDARDS FOR OIL AND GAS DEVELOPMENT.

### 3. LOCATION OF EXISTING WELLS

THE FOLLOWING WELLS ARE LOCATED WITHIN A ONE MILE RADIUS OF THE LOCATION SITE.

#### A) PRODUCING WELLS:

WELL 16-16 SECTION 15, T.5 S., R.4 W.  
WELL 1-20 SECTION 20, T.5 S., R.4 W.  
WELL 8-21 SECTION 21, T.5 S., R.4 W.  
WELL 14-15 SECTION 15, T.5 S., R.4 W.  
WELL 4-22 SECTION 22, T.5 S., R.4 W.  
WELL 2-21 SECTION 21, T.5 S., R.4 W.  
WELL 10-12 SECTION 21, T.5 S., R.4 W.

B) WATER WELLS NONE

#### C) ABANDONED WELLS:

WELL 7-20 SECTION 20, T.5 S., R.4 W.

D) TEMPORARILY ABANDONED WELLS NONE

E) DISPOSAL WELLS NONE

F) DRILLING WELLS NONE

G) SHUT IN WELLS NONE

H) INJECTION WELLS NONE

I) MONITORING OR OBSERVATION WELLS NONE

PLEASE SEE THE ATTACHED MAP FOR ADDITIONAL DETAILS.

### 4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

ALL PRODUCTION FACILITIES ARE TO BE CONTAINED WITHIN THE PROPOSED LOCATION SITE. PLEASE SEE THE ATTACHED PLOT PLAN FOR A TYPICAL PUMP JACK, LINE HEATER AND SEPARATOR INSTALLATION AND WELL SITE PIPING CONNECTION. THE PRODUCTION TANKS WILL BE PLACED BETWEEN POINTS 5 & 4.

ALL PERMANENT (ON SITE FOR SIX MONTHS OR LONGER) STRUCTURES CONSTRUCTED OR INSTALLED WILL BE PAINTED A DESERT BROWN COLOR. ALL FACILITIES WILL BE PAINTED WITHIN SIX MONTHS OF INSTALLATION. FACILITIES REQUIRED TO COMPLY WITH O.S.H.A. (OCCUPATIONAL SAFETY AND HEALTH ACT) WILL BE EXCLUDED. THE REQUIRED PAINT COLOR IS DESERT BROWN (10 YR. 6/4).

THE TANK BATTERY WILL BE SURROUNDED BY A DIKE OF SUFFICIENT CAPACITY TO CONTAIN THE STORAGE CAPACITY OF THE LARGEST TANK IN THE BATTERY. THE INTEGRITY OF THE DIKE WILL BE MAINTAINED.



ALL LOAD LINES WILL BE PLACED INSIDE THE DIKE SURROUNDING THE TANK BATTERY.

ALL SITE SECURITY GUIDELINES IDENTIFIED IN 43 CFR 3162.7 REGULATION WILL BE ADHERED TO.

ALL OFF-LEASE STORAGE, OFF LEASE MEASUREMENT, OR COMMINGLING ON-LEASE OR OFF-LEASE WILL HAVE PRIOR WRITTEN APPROVAL FROM THE AUTHORIZED OFFICER.

GAS METER RUNS WILL BE LOCATED WITHIN 500' OF THE WELL HEAD. THE GAS LINE WILL BE BURIED, OR ANCHORED DOWN FROM THE WELL HEAD TO THE METER. METER RUNS WILL BE HOUSED AND/OR FENCED.

THE GAS METER WILL BE CALIBRATED AND THE TANK STRAPPED IN PLACE PRIOR TO ANY DELIVERIES. TESTS FOR METER ACCURACY WILL BE CONDUCTED MONTHLY FOR THE FIRST THREE MONTHS ON NEW METER INSTALLATIONS AND AT LEAST QUARTERLY THEREAFTER. THE AUTHORIZED OFFICER WILL BE PROVIDED WITH A DATE AND TIME FOR THE INITIAL METER CALIBRATION AND ALL FUTURE METER PROVING SCHEDULES. A COPY OF THE METER CALIBRATION REPORTS WILL BE SUBMITTED TO THE VERNAL DISTRICT OFFICE. ALL MEASUREMENT FACILITIES WILL CONFORM WITH API AND AGA STANDARDS FOR GAS AND LIQUID HYDROCARBON MEASUREMENT.

5. LOCATION AND TYPE OF WATER SUPPLY

WATER FOR THIS WELL WILL BE HAULED BY TRUCK FROM JIM NEBEKER'S (JOE SHIELDS) POND.

6. SOURCE OF CONSTRUCTION MATERIAL

ALL CONSTRUCTION MATERIAL FOR THIS LOCATION SITE AND ACCESS ROAD SHALL BE BORROW MATERIAL ACCUMULATED DURING CONSTRUCTION OF THE LOCATION SITE AND ACCESS ROAD. ADDITIONAL ROAD GRAVELS OR PIT LINING MATERIAL WILL BE OBTAINED FROM PRIVATE SOURCES.

7. METHODS FOR HANDLING WASTE MATERIAL

A) PIT CONSTRUCTION AND LINERS:

THE RESERVE PIT WILL BE APPROXIMATELY 13 FT. DEEP AND AT LEAST ONE-HALF OF THIS DEPTH SHALL BE BELOW THE SURFACE OF THE EXISTING GROUND.

THE RESERVE PIT WILL BE LINED WITH A 12 MIL PIT LINER. THE PIT LINER WILL BE TORN AND PERFORATED AFTER THE PIT DRIES AND BEFORE BACK FILLING THE RESERVE PIT. THE RESERVE PIT WILL BE REASONABLY FREE OF HYDROCARBONS BEFORE THE PIT IS BACK FILLED.

ONE-HALF OF THE RESERVE PIT WILL BE USED AS A FRESH WATER STORAGE AREA DURING THE DRILLING OF THIS WELL AND THE OTHER ONE-HALF WILL BE USED TO STORE NON-FLAMMABLE MATERIALS SUCH AS CUTTINGS, SALTS, DRILLING FLUIDS, CHEMICALS, PRODUCED FLUIDS, ETC.

**B) PRODUCED FLUIDS:**

PRODUCED WATER WILL BE CONFINED TO THE RESERVE PIT, OR IF DEEMED NECESSARY, A STORAGE TANK FOR A PERIOD NOT TO EXCEED 90 DAYS AFTER INITIAL PRODUCTION. DURING THE 90 DAY PERIOD AN APPLICATION FOR APPROVAL FOR A PERMANENT DISPOSAL METHOD AND LOCATION WILL BE SUBMITTED TO THE AUTHORIZED OFFICER.

**C) GARBAGE:**

A TRASH CAGE, FABRICATED FROM EXPANDED METAL WILL BE USED TO HOLD TRASH ON LOCATION AND WILL BE REMOVED TO AN AUTHORIZED LAND FILL LOCATION.

**D) SEWAGE:**

A PORTABLE CHEMICAL TOILET WILL BE SUPPLIED FOR HUMAN WASTE.

**E) SITE CLEAN-UP:**

AFTER THE RIG IS MOVED OUT THE AREA AROUND THE WELL SITE WILL BE CLEANED AND ALL REFUSE REMOVED.

**8. ANCILLARY FACILITIES**

THERE ARE NO ANCILLARY FACILITIES PLANNED FOR AT THIS TIME AND NONE ARE FORESEEN FOR THE FUTURE

## 9. WELL-SITE LAYOUT

LOCATION DIMENSIONS ARE AS FOLLOW:

A) PAD LENGTH	300 FT.
B) PAD WIDTH	140 FT.
C) PIT DEPTH	13 FT.
D) PIT LENGTH	180 FT.
E) PIT WIDTH	60 FT.
F) MAX CUT	25.6 FT.
G) MAX FILL	5.8 FT.
E) TOTAL CUT YDS	10,170 CU. YDS.
F) PIT LOCATION	EAST BETWEEN POINTS 4 & 5
G) TOP SOIL LOCATION	ON THE EAST END BETWEEN POINT 7 & 8
H) ACCESS ROAD LOCATION	ON THE WEST END BETWEEN 2 & 3
I) PIT VOL (2' FREE BOARD)	14,100
J) FLARE PIT	SOUTH EAST BETWEEN 6 & 5

PLEASE SEE THE ATTACHED LOCATION DIAGRAM FOR ADDITIONAL DETAILS.

ALL PITS WILL BE FENCED ACCORDING TO THE FOLLOWING MINIMUM STANDARDS:

- A) 39 INCH NET WIRE SHALL BE USED WITH AT LEAST ONE STRAND OF WIRE ON TOP OF THE NET WIRE (BARBED WIRE IS NOT NECESSARY IF PIPE OR SOME TYPE OF REINFORCEMENT ROD IS ATTACHED TO THE TOP OF THE ENTIRE FENCE).
- B) THE NET WIRE SHALL BE NO MORE THAN 2 INCHES ABOVE THE GROUND. THE BARBED WIRE SHALL BE 3 INCHES ABOVE THE NET WIRE. TOTAL HEIGHT OF THE FENCE SHALL BE AT LEAST 42 INCHES.
- C) CORNER POSTS SHALL BE CEMENTED AND/OR BRACED IN SUCH A MANNER TO KEEP THE FENCE TIGHT AT ALL TIMES.
- D) STANDARD STEEL, WOOD OR PIPE POSTS SHALL BE USED BETWEEN THE CORNER BRACES. MAXIMUM DISTANCE BETWEEN ANY TWO POSTS SHALL BE NO GREATER THAN 10 FEET.
- E) ALL WIRE SHALL BE STRETCHED, BY USING A STRETCHING DEVICE, BEFORE IT IS ATTACHED TO THE CORNER POSTS.

## 10. PLANS FOR RESTORATION OF THE AREA

PRIOR TO CONSTRUCTION OF THE LOCATION, THE TOP 6 INCHES OF SOIL MATERIAL WILL BE STRIPPED AND STOCKPILED. THIS WILL AMOUNT TO APPROXIMATELY 1,000 CUBIC YARDS OF MATERIAL. PLACEMENT OF THE TOP SOIL IS NOTED ON THE ATTACHED LOCATION PLAN. WHEN ALL DRILLING AND COMPLETION ACTIVITIES HAVE BEEN COMPLETED THE UNUSED PORTION

OF THE LOCATION (THE AREA OUT SIDE THE DEAD MEN) WILL BE RECONTOURED AND THE TOPSOIL SPREAD OVER THE DISTURBED AREA.

THE DIRT CONTRACTOR WILL BE PROVIDED WITH AN APPROVED COPY OF THE SURFACE USE PLAN PRIOR TO CONSTRUCTION ACTIVITIES.

ANY DRAINAGE REROUTED DURING THE CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO IT'S ORIGINAL LINE OF FLOW OR AS NEAR AS POSSIBLE.

ALL DISTURBED AREAS WILL BE RECONTOURED TO THE APPROXIMATE NATURAL CONTOURS.

PRIOR TO BACK FILLING THE PIT THE FENCES AROUND THE RESERVE PIT WILL BE REMOVED. THE PIT LINER WILL BE CUT OFF AT THE WATER OR MUD LINE AND DISPOSED OF AT AN APPROVED LAND FILL SITE. THE LINER WILL ALSO BE TORN AND PERFORATED AFTER THE PIT DRIES AND BEFORE BACK FILLING OF THE RESERVE PIT.

THE RESERVE PIT WILL BE RECLAIMED WITHIN 90 DAYS OF WELL COMPLETION. IF THE RESERVE PIT IS NOT DRY ENOUGH TO ALLOW BACK FILLING AN EXTENSION ON THE TIME REQUIREMENT FOR BACK FILLING THE PIT WILL BE REQUESTED. ONCE RECLAMATION ACTIVITIES HAVE BEGUN, THEY SHALL BE COMPLETED WITHIN 30 DAYS.

AFTER THE RESERVE PIT HAS BEEN RECLAIMED NO DEPRESSIONS IN THE SOIL COVERING THE RESERVE PIT WILL BE ALLOWED. THE OBJECTIVE IS TO KEEP SESONAL RAIN FALL AND RUN OFF FROM SEEPING INTO THE SOIL USED TO COVER THE RESERVE PIT. DIVERSION DITCHES AND WATER BARS WILL BE USED TO DIVERT RUN OFF AS NEEDED.

WHEN RESTORATION ACTIVITIES HAVE BEEN COMPLETED, THE LOCATION SITE AND NEW ACCESS ROAD CUTS AND SHOULDERS SHALL BE RESEEDED. PRIOR TO RESEEDING, ALL DISTURBED AREAS, INCLUDING THE OLD ACCESS ROAD, WILL BE SCARIFIED AND LEFT WITH A ROUGH SURFACE.

A) RECOMMENDED SEED MIXTURE:

RUSSIAN RYE	6# PER ACRE.
FAIRWAY CRESTED WHEAT GRASS	6# PER ACRE.

B) SEEDING DATES:

AFTER SEPTEMBER 15, 1991 AND BEFORE THE GROUND FREEZES.

SEED WILL BE BROADCAST OR DRILLED AT THE TIME SPECIFIED BY THE BLM. IF BROADCAST, A HARROW OR SOME OTHER IMPLEMENT WILL BE DRAGGED OVER THE SEEDED AREA TO ASSURE SEED COVERAGE AND THE SEED MIXTURE WILL BE PROPORTIONATELY LARGER (DOUBLE THE LBS. PER ACRE).

AT SUCH TIME AS THE WELL IS PLUGGED AND ABANDONED THE OPERATOR WILL SUBMIT A SURFACE RECLAMATION PLAN TO THE SURFACE MANAGEMENT AGENCY FOR PRESCRIBED SEED MIXTURE AND RESEEDING REQUIREMENTS.

11. SURFACE OWNERSHIP:

THE UTE TRIBE

12. OTHER INFORMATION

A) **VEGETATION:**

THE VEGETATION COVERAGE IS SLIGHT. WITH THE MAJORITY MADE UP OF RABBIT, SAGE, AND BITTER BRUSH. ALSO FOUND ON THE LOCATION IS PRICKLY PAIR, INDIAN RICE GRASS AND YUCCA.

B) **DWELLINGS:**

THERE ARE NO OCCUPIED DWELLINGS, OR OTHER FACILITIES WITHIN A ONE MILE RADIUS OF THIS LOCATION.

C) **ARCHEOLOGY:**

THE LOCATION HAS BEEN SURVEYED AND THERE ARE NO ARCHAEOLOGICAL HISTORICAL, OR CULTURAL SITES NEAR THE PROPOSED SITE. PLEASE SEE THE ATTACHED ARCHAEOLOGICAL CLEARANCE MAP.

IF, DURING OPERATIONS . ANY ARCHAEOLOGICAL OR HISTORICAL SITES, OR ANY OBJECTS OF ANTIQUITY (SUBJECT TO THE ANTIQUITIES ACT OF JUNE 8, 1906) ARE DISCOVERED. ALL OPERATIONS WHICH WOULD AFFECT SUCH SITES ARE TO BE SUSPENDED AND THE DISCOVERY REPORTED PROMPTLY TO THE SURFACE MANAGEMENT AGENCY.

D) **WATER:**

THE NEAREST WATER IS IN THE BOTTOM OF SOWERS CANYON 1.5 MILES TO THE NORTH.

E) **WOOD:**

A WOOD PERMIT WILL BE REQUIRED FOR THIS LOCATION.

F) **SIGNS:**

THE APPROPRIATE SIGNS HAVE BEEN POSTED OR WILL BE WHEN CONSTRUCTION ACTIVITIES START.

**F) CHEMICALS:**

NO PESTICIDES, HERBICIDES OR OTHER POSSIBLE HAZARDOUS CHEMICALS SHALL BE USED WITHOUT PRIOR APPLICATION.

**G) NOTIFICATION:**

- a) BLM, VERNAL UT  
RALPH BROWN  
(801-789-1362)  
24 TO 48 HOURS BEFORE CONSTRUCTION OF THE LOCATION.  
ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.
- b) BIA, FT. DUCHESNE UT  
ROLAND MCCOOK  
(801-722-2406)  
24 TO 48 HOURS BEFORE CONSTRUCTION OF THE LOCATION.  
ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.
- c) UTE TRIBE, MINERALS DIVISION, FT. DUCHESNE  
FERRON SECAKUKU  
(801-722-4992)  
24 TO 48 HOURS BEFORE CONSTRUCTION OF THE LOCATION.  
ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.

**H) FLARE PIT:**

THE FLARE PIT WILL BE LOCATED A MINIMUM OF 30 FEET FROM THE RESERVE PIT FENCE AND 100 FEET FROM THE BORE HOLE ON THE SOUTH EAST SIDE OF THE LOCATION, BETWEEN POINTS 5 AND 6 ON THE LOCATION PLAT. ALL FLUIDS WILL BE REMOVED FROM THE PIT WITHIN 48 HOURS OF OCCURRENCE.

**I) GRAZING PERMITTEE:**

UTE TRIBAL LIVE STOCK ENTERPRISES  
FT. DUCHESNE UT  
(801-722-2406)

**12. LESSEES OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION**

**A) REPRESENTATIVE**

NAME: WILLIAM A. RYAN  
  
ADDRESS: ROCKY MOUNTAIN CONSULTING  
3101 WEST 1790 SOUTH  
VERNAL UTAH 84078  
  
TELEPHONE NO.: 801-789-3983  
801-823-6152

ALL LEASE AND/OR UNIT OPERATIONS WILL BE CONDUCTED IN SUCH A MANNER THAT FULL COMPLIANCE IS MADE WITH ALL APPLICABLE LAWS, REGULATIONS, ONSHORE OIL AND GAS ORDERS, THE APPLICABLE LAWS, REGULATIONS, AND ANY APPLICABLE NOTICES TO LESSEES. THE OPERATOR IS FULLY RESPONSIBLE FOR THE ACTIONS OF HIS SUBCONTRACTORS. A COPY OF THESE CONDITIONS WILL BE FURNISHED TO THE FIELD REPRESENTATIVE TO INSURE COMPLIANCE.

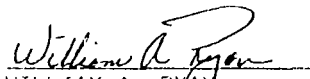
THIS DRILLING PERMIT WILL BE VALID FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. AFTER PERMIT TERMINATION, A NEW APPLICATION WILL BE FILED FOR APPROVAL FOR ANY FUTURE OPERATIONS.

**B) CERTIFICATION**

I HEREBY CERTIFY THAT I, OR PERSONS UNDER MY DIRECT SUPERVISION, HAVE INSPECTED THE PROPOSED DRILL-SITE AND ACCESS ROUTE; THAT I AM FAMILIAR WITH THE CONDITIONS WHICH PRESENTLY EXIST; THAT THE STATEMENT MADE IN THIS PLAN ARE, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE AND CORRECT; AND THAT THE WORK ASSOCIATED WITH THE OPERATION PROPOSED HEREIN WILL BE PERFORMED BY ZINKE & TRUMBO LTD. AND ITS CONTRACTORS AND SUB-CONTRACTORS IN CONFORMITY WITH THIS PLAN AND TERMS AND CONDITIONS WITH THIS PLAN AND THE TERMS AND CONDITIONS UNDER WHICH IT IS APPROVED.

DATE

4/4/91



WILLIAM A. RYAN  
PETROLEUM ENGINEER  
ROCKY MOUNTAIN CONSULTING

## Self-Certification Statement

The following self-certification statement is provided per Federal requirements dated June 15, 1986.

Please be advised that Zinke & Trumbo LTD is considered to be the operator of the following wells:

Well Z&T Ute Tribal 12-23  
NW1/4, SW1/4, Sec. 22, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3415  
Duchesne County, Utah

Well Z&T Ute Tribal 16-21  
SE1/4, SE1/4, Sec. 21, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3414  
Duchesne County, Utah

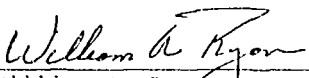
Well Z&T Ute Tribal 4-21  
NW1/4, NW1/4, Sec. 21, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3414  
Duchesne County, Utah

Well Z&T Ute Tribal 2-21G  
NW1/4, NE1/4, Sec. 21, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3414  
Duchesne County, Utah

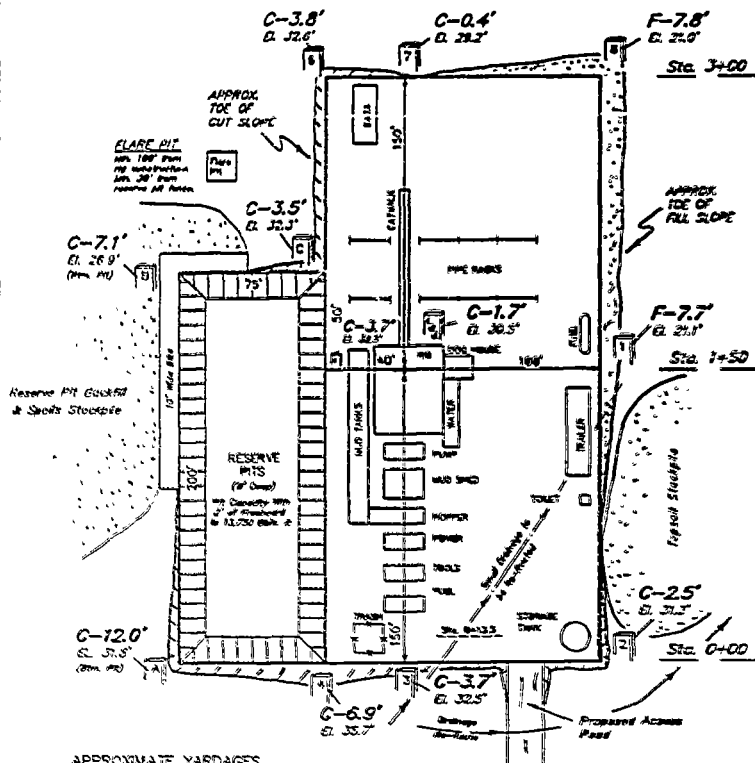
Well Z&T Ute Tribal 14-16  
SE1/4, SW1/4, Sec. 16, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3413  
Duchesne County, Utah

Well Z&T Ute Tribal 7-25  
SW1/4, NE1/4, Sec. 25, T.5 S., R.4 W.  
Lease BIA-14-20-H62-3537  
Duchesne County, Utah

Zinke & Trumbo LTD is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands".

  
\_\_\_\_\_  
William A. Ryan  
Rocky Mountain Consulting  
3101 W. 1790 S.  
Vernal, Utah 84078  
801-789-3983  
801-823-6152

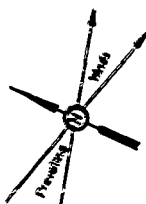




#### APPROXIMATE YARDAGES

CUT (12") Topsoil Stripping	= 2,770 Cu. Yds.
Remaining Location	= 5,420 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 8,530 CU.YDS.</b>
<b>FILL</b>	<b>= 4,200 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 4,770 Cu. Yds.
Topsoil & PPE Backfill (1/2 Fill Vol.)	= 3,250 Cu. Yds.
<b>EXCESS UNBALANCE (After Rehabilitation)</b>	<b>= 150 Cu. Yds.</b>



SCALE: 1" = 50'  
DATE: 2-18-91  
DRAWN BY: T.B.M.

**RECEIVED**

APR 12 1991

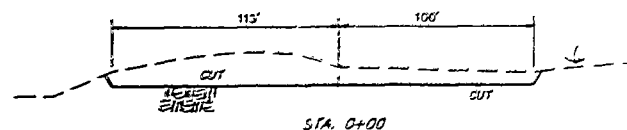
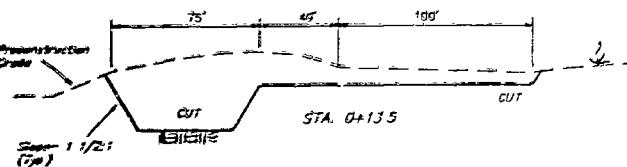
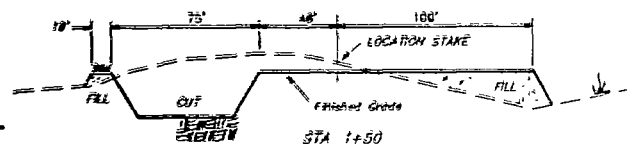
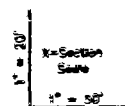
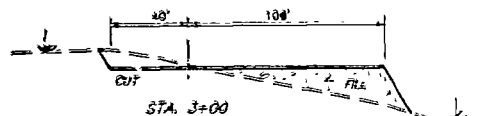
DIVISION OF  
OIL GAS & MINING

**ZINKE & TRUMBO, LTD.**

LOCATION LAYOUT FOR

2&T UTE TRIBAL #14-16

SECTION 16, TSS, R4W, U.S.B.&M.

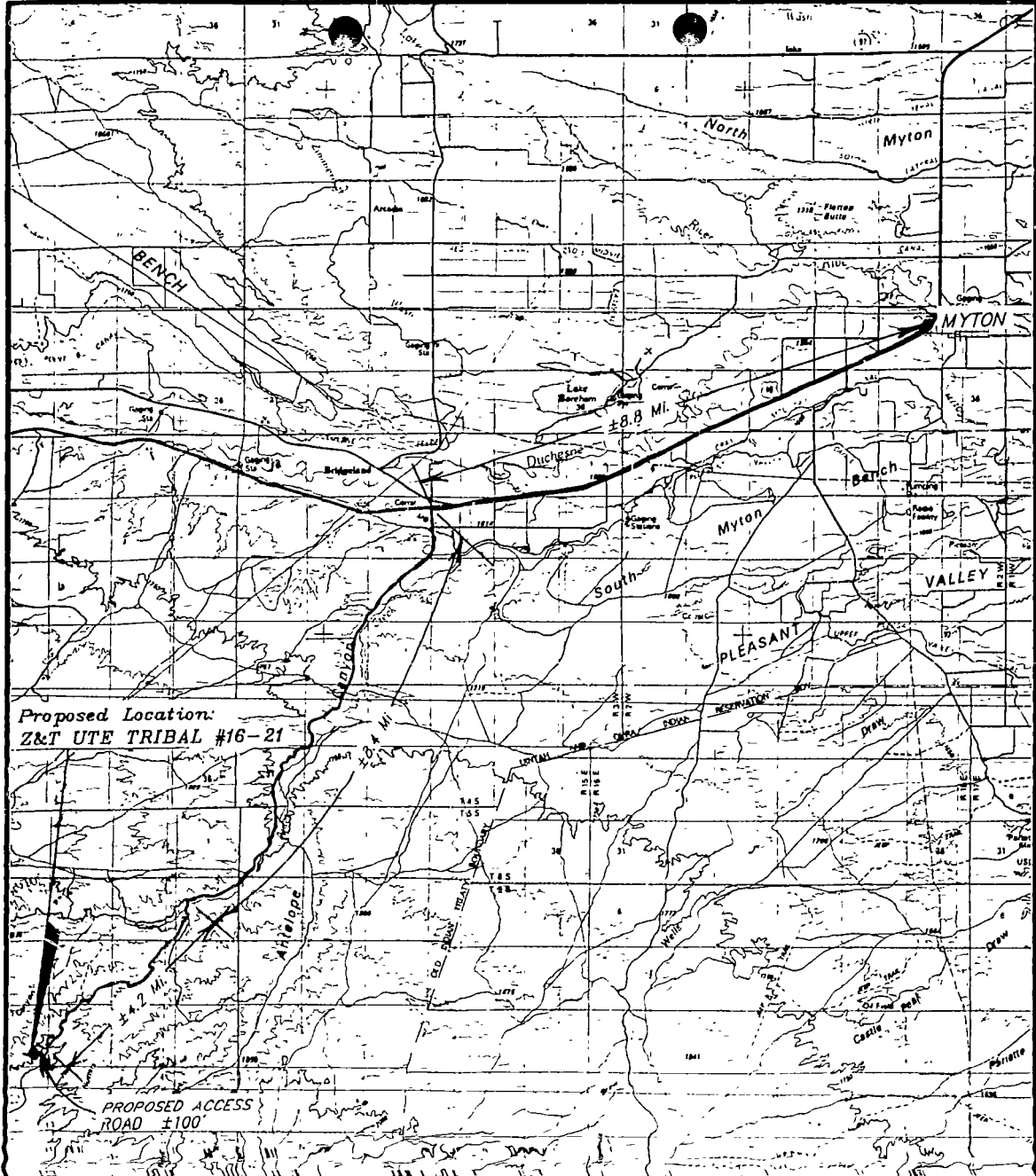


TYP. CROSS  
SECTION  
LAYOUT

Exc. Ungraded Ground at Location Stake = 6430.5'

Exc. Graded Ground at Location Stake = 6428.8'

UNITAR ENGINEERING & LAND SURVEYING  
66 So. 200 East, Tropic, Utah



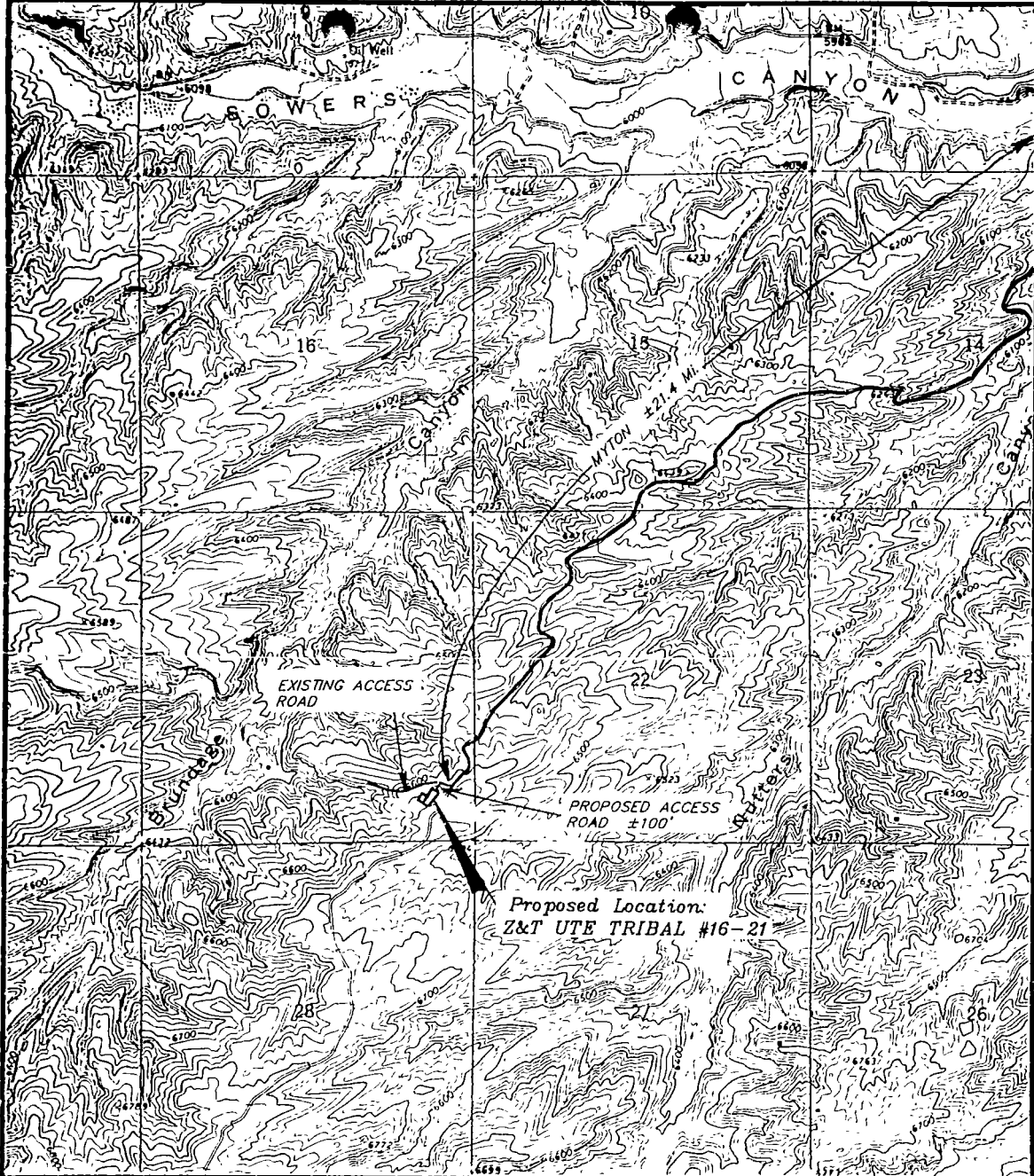
TOPOGRAPHIC  
MAP "A"

DATE 2-15-91



ZINKE & TRUMBO, LTD.

Z&T UTE TRIBAL #16-21  
SECTION 21, T5S, R4W, U.S.B.&M.



TOPOGRAPHIC  
MAP "B"

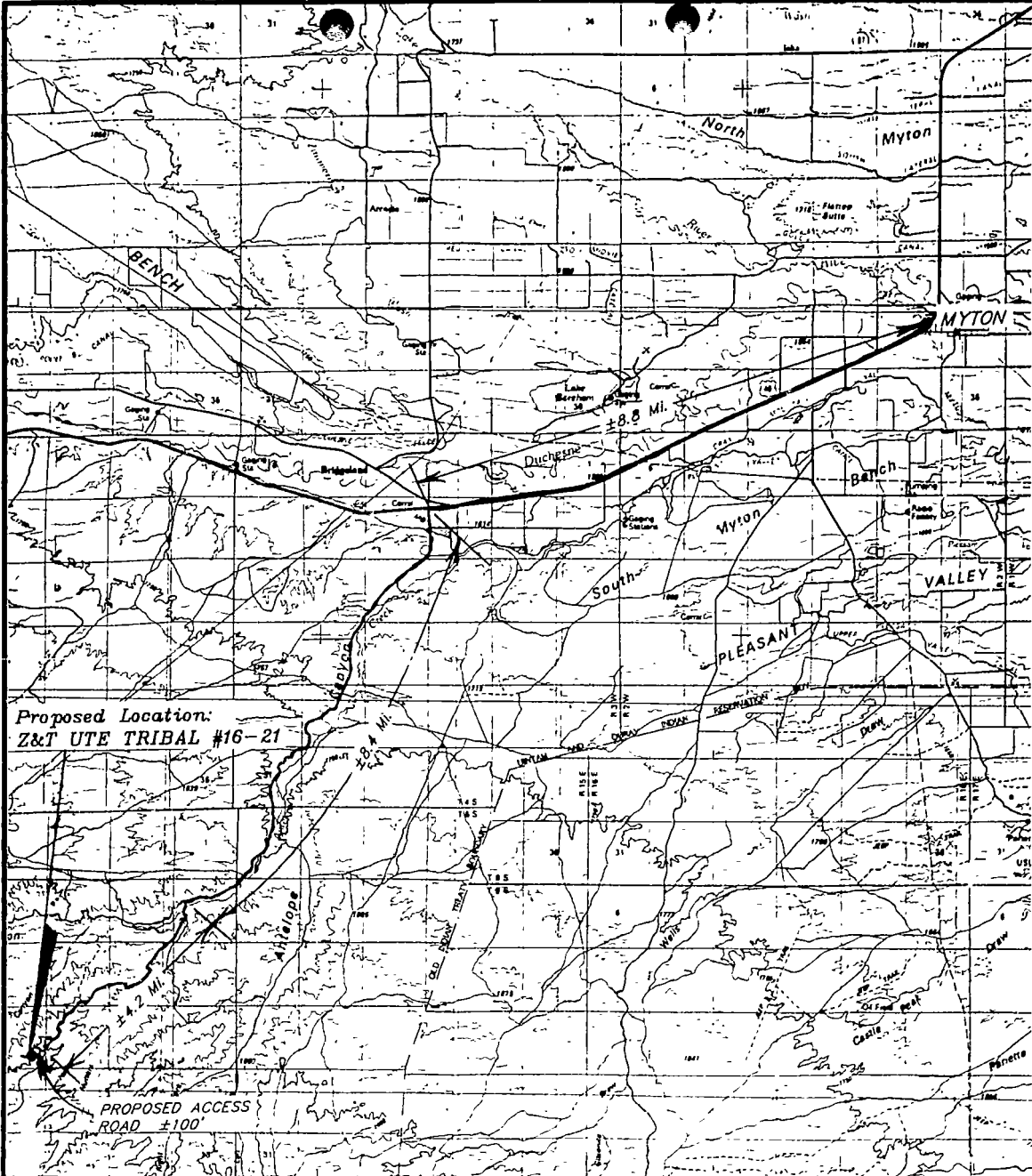
SCALE 1" = 2000'

DATE 2-15-91



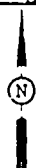
ZINKE & TRUMBO, LTD.

Z&T UTE TRIBAL #16-21  
SECTION 21, T5S, R4W, U.S.B.&M.



TOPOGRAPHIC  
 MAP "A"

DATE. 2-15-91



ZINKE & TRUMBO, LTD.

Z&T UTE TRIBAL #16-21  
 SECTION 21, T5S, P4W, U.S.B.&M.

OPERATOR Zinke Petroleum Ltd N-7295 DATE 4-17-91  
WELL NAME 3. Little Indian 16-01  
SEC 9ESE 01 T 55 R 4W COUNTY Duchaine

43-013-31314  
API NUMBER

Indian (2)  
TYPE OF LEASE

CHECK OFF:



PLAT



BOND



NEAREST  
WELL



LEASE



FIELD  
USOM



POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

1- plat for add wells already drilled in sec 01  
Water Permit

APPROVAL LETTER:

SPACING:



R615-2-3

N/A  
UNIT



R515-3-2



N/A  
CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

1- Needs water permit  
cc BIA



Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84100-1203  
801-538-5340

April 26, 1991

Zinke & Trumbo, Ltd.  
1202 East 33rd Street, Suite 100  
Tulsa, Oklahoma 74105

Gentlemen:

Re: Z & T Ute Tribal 16-21 Well, 700 feet from the South line, 691 feet from the East line, SE SE, Section 21, Township 5 South, Range 4 West, Duchesne County, Utah

Approval to drill the referenced well is hereby granted in accordance with R615-3-2, Oil and Gas Conservation General Rules, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2  
Zinke & Trumbo, Ltd.  
Z & T Ute Tribal 16-21  
April 26, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31314.

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Firth", is written over a printed name.

R. J. Firth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
Bureau of Indian Affairs  
J. L. Thompson  
we14/1-16



Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center Suite 350  
Salt Lake City, Utah 84100-1203  
(801) 538-5340

## UTAH DIVISION OF OIL, GAS AND MINING FACSIMILE TRANSMISSION COVER SHEET

DATE: 10-10-91  
FAX # 1-789-3634  
ATTN: Ed Foresman  
COMPANY BLM  
FROM: Frank Matthews  
DEPARTMENT: DOGM  
NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 3

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile Machine. Our telecopier number is (801) 359-3940.

MESSAGES:

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UTAH  
NATURAL RESOURCE  
Oil Gas & Mining

PRD 25515833

DOGMA 58  
an equal opportunity emi

355 West North Temple, 3 Triad Center Suite 350, Salt Lake City UT  
84100-1203, (801-538-5340)

Page 1 of 2

# MONTHLY OIL AND GAS PRODUCTION REPORT

AUG - 8 1991

Operator name and address

ZINKE & TRUMBO, LTD.  
1202 E. 33RD ST., #100  
TULSA OK 74105  
ATTN: WAYNE K. TAYLOR

SEP 04 1991

DIVISION OF  
OIL GAS & MINING

Utah Account No. N7295

Report Period (Month/Year) 7 / 91

Amended Report ☐

Well Name	Producing	Days	Production Volume		
API Number	Entity	Location	Zone	Oper	Oil (BBL)
BC UTE TRIBAL 4-22					
4301330755	02620	05S 04W 22	GRRV	30	400
S. BRUNDAGE UTE TRIBAL 1-29					
4301330964	02621	05S 04W 29	GRRV	31	141
BC UTE TRIBAL #9-21					
4301330829	08414	05S 04W 21	GRRV	31	752
B.C. UTE TRIBAL 16-16					
4301330841	09489	05S 04W 16	GRRV	31	496
T.C. UTE TRIBAL 9-23X					
4301330999	09720	05S 05W 23	GRRV	27	552
TABBY CYN UTE TRIBAL 1-25					
4301330945	09722	05S 05W 25	GRRV	27	852
S. COTTONWOOD RIDGE UTE TRIBAL 1-19					
4301330933	09845	05S 04W 19	GRRV	27	902
S. BRUNDAGE CYN UTE TRIBAL 4-27					
4301331131	09851	05S 04W 27	GRRV	31	1042
S. COTTONWOOD RIDGE UTE TRIBAL 1-20					
4301330966	09925	05S 04W 20	GRRV	29	388
UTE TRIBAL 5-13					
4301331152	10421	05S 05W 13	GRRV	31	86
SOWERS CYN UTE TRIBAL #3-26					
4301330955	10423	05S 05W 26	GRRV	31	538
Z & T UTE TRIBAL 2-21					
4301331280	11130	05S 04W 21	GRRV	31	678
Z & T UTE TRIBAL 7-19					
4301331282	11131	05S 04W 19	GRRV	31	1569
TOTAL					8396
					22,640
					123

Comments (attach separate sheet, if necessary)

I have reviewed this report and certify the information to be accurate and complete

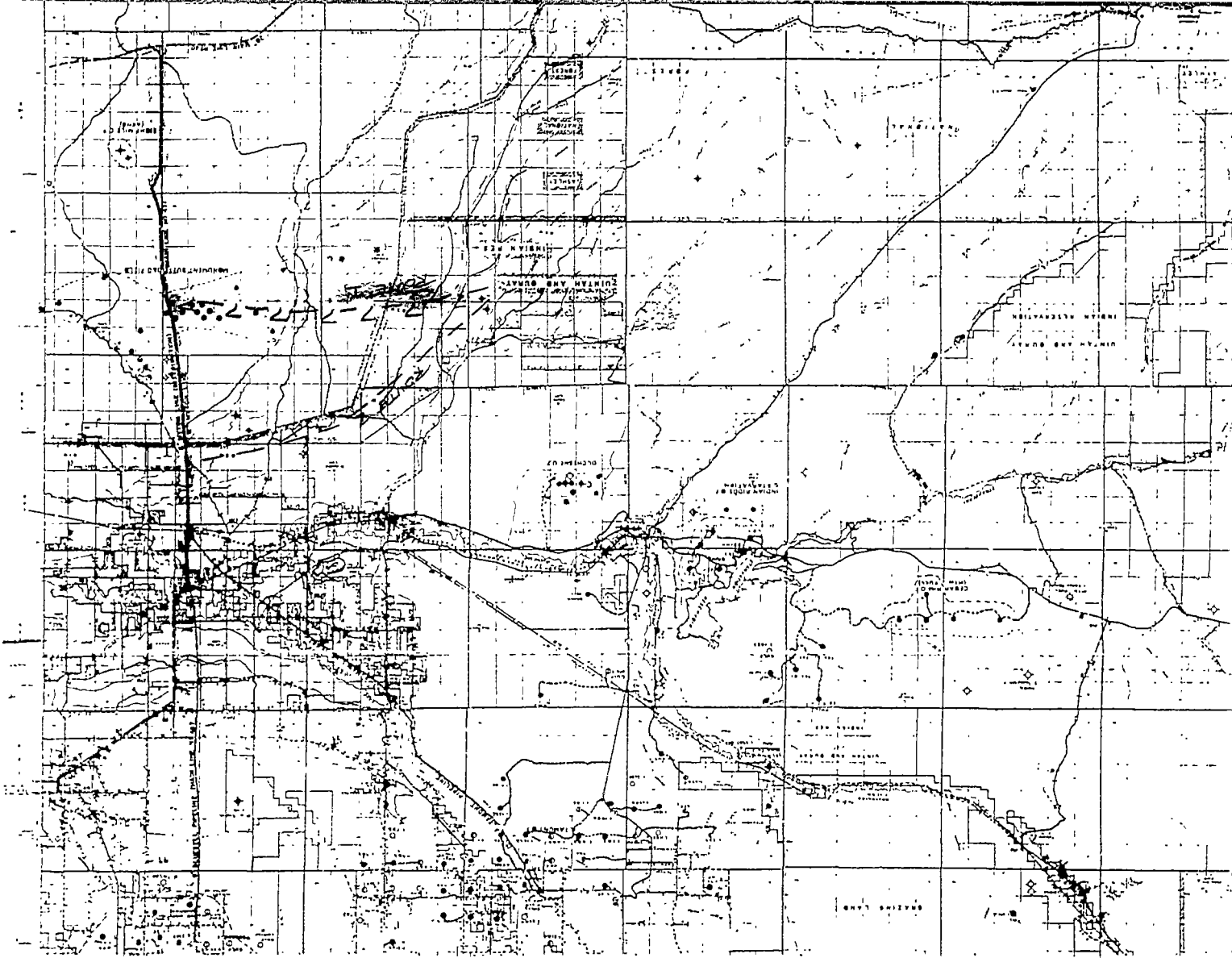
Date 9/4/91

WILLIAM A. RYAN  
Authorized signature

Telephone (801) 789-0968

PLEASE COMPLETE FORMS IN BLACK INK





ZINKE & TRUMBO, LTD.

202 EAST 33RD STREET • SUITE 100

TULSA OKLAHOMA 74105

ROBERT M. ZINKE  
DAVID B. TRUMBO

918 743 5076  
FAX 918 743 5059

September 26, 1991

FILED

OCT 02 1991

State of Utah  
Department of Natural Resources  
Division of Oil Gas and Mining  
Oil and Gas Conservation Division  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Mr. Ronald J. Firth  
Associate Director

Re: Z&T Brundage Canyon Field  
Casinghead Gas Venting Issue

Gentlemen:

DIVISION OF  
OIL GAS & MINING

12-22

16-21

8-21

2-21

2-21G

SS-4W

10-21

11-22

Owner's  
N7295

On behalf of Zinke & Trumbo, Ltd., I want to thank you and Mr. Frank Mathews for meeting with Mr. Tom Concannon and me on September 24, 1991 regarding the above captioned field and the current status of our efforts to secure gas gathering facilities for the subject area.

As I explained, Zinke & Trumbo, Ltd. and its partners purchased these properties from Lomax Operating Company early last year. Immediately upon assumption of operations, we began attempting to obtain the installation of the necessary gas gathering facilities. This effort has involved the pursuit of many avenues including detailed and lengthy negotiations with Koch Hydrocarbon Company, Coors Energy Company, Sevco Pipeline Company, Questar Pipeline Company and the Ute Indian Tribe.

As we discussed, the entirety of these producing properties are located on Ute Tribal Lands. This has presented a special and extraordinary set of circumstances which have resulted in additional delays. However, I believe that as a result of our discussions this past week with Mr. Rob Thompson, the Ute Tribal Attorney, and other tribal and BIA officials and representatives from Questar Pipeline Company that a economically acceptable arrangement is on the verge of being worked out to everyone's satisfaction. This arrangement would involve our installation of the necessary gathering facilities from the Brundage Canyon Field area to a mutually acceptable tap point on Questar's Mainline #47. The tap point would probably be located in the Monument

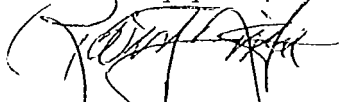
State of Utah  
September 26, 1991  
Page 2 of 2

Butte Field area. It is our intention to have said facilities in service no later than January 1, 1992. I have enclosed a map reflecting the preliminary route of this proposed gathering system. I also would invite you to contact the tribe's legal representative, Mr. Rob Thompson (303-444-2549) and/or the Director of Business Development for Questar Pipeline Company, Mr. Brice E. Bergquist (801-530-2033), in order to confirm the current status of our discussions and the subject project.

In light of all our efforts, as outlined above, and the complications of the situation, I respectfully request the continued patience of the State of Utah in regards to the venting of casinghead gas from the subject field.. I feel any punitive action taken at this juncture, especially in the form of stringent gas flaring rule enforcement, would ultimately be detrimental to the successful outcome of this project. It would also be detrimental to the State of Utah, the royalty owners, and Zinke & Trumbo, Ltd. et al, via the reduction of revenues and could reduce the amount of total amount of the ultimate recoverable reserves. Zinke & Trumbo, Ltd. pledges its continued all out effort to secure the necessary facilities and to keep your office informed as to the status of our efforts.

If you have any questions regarding any aspect of this matter, please do not hesitate to contact me.

Sincerely yours,



Robert M. Zinke

RMZ/krf

Enclosures

cc: Working Interest Owners  
Whiteing & Thompson  
Attn: Mr. Rob Thompson  
Questar Pipeline Company  
Attn: Mr. Brice Bergquist